



Evaluation of Contaminant Data in Support of Proposed Habitat Restoration Project in a Maumee River CDF

ERDC Dredging Operations Technical Support Program (DOTS)

U.S. ARMY CORPS OF ENGINEERS

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Response Summary:

The Buffalo District requested technical support to review a proposed wetland habitat restoration project at a former USACE Confined Disposal Facility (CDF) known as Penn 7, a 59-acre tract located along the western shore of the Maumee River near Toledo OH. The focus of the request was an evaluation of contaminant-related impacts associated with habitat improvements in the CDF designed to attract fish and wildlife.

Period of Performance:

June 2, 2020 – July 9, 2020

Benefits of the Response to the USACE Dredging/Navigation Program:

ERDC assisted with developing a technical memorandum that provided a summary, background information, and analysis of available habitat and contaminant data. The technical document also provided a technical discussion related to potential effects on aquatic life, terrestrial habitat, and human health. The specific topics addressed included: PCB accumulation, CDF water quality, soil/sediment toxicity, background/ambient concentrations, risk-based screening levels, and comparisons with other projects in the region. The analysis resulted in a recommendation that a monitoring and adaptive management plan (MAMP) be developed and provided a series of components to incorporate into the MAMP.

Deliverable:

The product, a technical memorandum, is being used to inform USACE staff issuing various permits (with conditions) and reviewing the project in cooperation with federal, state, and local partners.

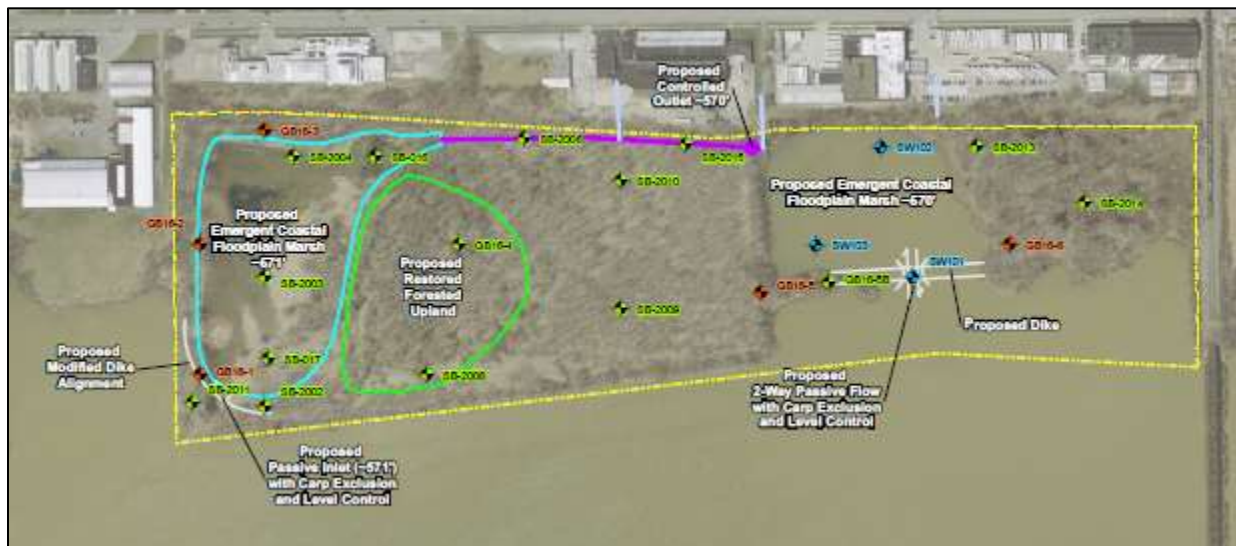


Figure 1. Proposed habitat restoration site located near Toledo, OH.



Providing environmental and engineering technical support to the U.S. Army Corps of Engineers Operations and Maintenance navigation and dredging missions

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